AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** An authentication system comprising:

a light emitting device including~~having~~

a display means for displaying an image in which authentication information is incorporated, and

a first optical system means for diffracting light of the displayed image at a predetermined angle for each pixel; and

wherein said display means and said first optical system means are arranged so that in an image which is displayed by said display means, the image corresponding to the authentication information is diffracted and the image other than the authentication information is emitted in a direction substantially perpendicular to a display screen of said display means;

an authentication device including ~~having~~

a second optical system means for collecting the light of the image diffracted by ~~the~~ said light emitting device,

a photoelectric converting means which carries out photoelectric conversion of ~~the~~a collected image, and

a control means which carries out authentication using the converted image.

2. **(Canceled)**

3. **(Currently Amended)** The authentication system according to claim 1, wherein the image is displayed from ~~the~~ said light emitting device in accordance with ~~to~~ an inquiry signal from the authentication device.

4. **(Currently Amended)** The authentication system according to claim 1, wherein ~~the~~ said first optical system means and ~~the~~ said second optical system means are lens arrays which utilize a one dimensional light distribution.

5. **(Currently Amended)** The authentication system according to claim 1, wherein ~~the~~ said first optical system means and ~~the~~ said second optical system means are lens arrays which utilize a two dimensional light distribution.

6. **(Original)** The authentication system according to claim 1, wherein the image is a hologram pattern.

7. **(Original)** The authentication system according to claim 1, wherein the image is a graphic pattern which does not exhibit hologram effect.

8. **(Currently Amended)** The authentication system according to claim 1, wherein ~~the~~ said first optical system means is a lens array comprising a plurality of lenses, and gaps are provided between the lenses.

9. **(Currently Amended)** A light emitting device comprising:

a display means for displaying an image in which authentication information is incorporated; and

an optical system means for diffracting light of the displayed image at a predetermined angle for each pixel, and ~~pixel.~~

wherein said display means and said optical system means are arranged so that in an image which is displayed by said display means, the image corresponding to the authentication information is diffracted and the image other than authentication information is emitted in a direction substantially perpendicular to a display screen of said display means.

10. **(Canceled)**

11. **(Currently Amended)** The light emitting device according to claim 9, wherein the

image is displayed from ~~the~~ said display means in accordance with an inquiry signal from an outside device.

12. **(Currently Amended)** The light emitting device according to claim 9, wherein ~~the~~ said optical system means is a lens array which utilizes one dimensional light distribution.

13. **(Currently Amended)** The light emitting device according to claim 9, wherein ~~the~~ said optical system means is a lens array which utilizes two dimensional light distribution.

14. **(Original)** The light emitting device according to claim 9, wherein the image is a hologram pattern.

15. **(Original)** The light emitting device according to claim 9, wherein the image is a graphic pattern which does not exhibit hologram effect.

16. **(Currently Amended)** The light emitting device according to claim 9, wherein ~~the~~ said optical system means is a lens array comprising a plurality of lenses, and gaps are provided between the lenses.

17. **(Currently Amended)** An authentication device comprising:

a display means for displaying an image in which authentication information is incorporated;

an optical system means for diffracting light of the displayed image at a predetermined angle for each pixel, and for collecting light of an image scattered at a predetermined angle, wherein an image corresponding to authentication information is diffracted and an image other than the authentication information is not diffracted ~~by an outside device~~;

a photoelectric converting means which carries out photoelectric conversion of ~~the~~ a collected image; and

a control means which carries out authentication using the converted image.

18. **(Canceled)**

19. **(Currently Amended)** The authentication device according to claim 17, wherein an inquiry is made for requesting ~~the~~ an outside device to output the image.

20. **(Currently Amended)** The authentication device according to claim 17, wherein ~~the~~ said optical system means is a lens array which utilizes a one dimensional light distribution.

21. **(Currently Amended)** The authentication device according to claim 17, wherein ~~the~~ said optical system means is a lens array which utilizes a two dimensional light distribution.

22. **(Original)** The authentication device according to claim 17, wherein the image is a hologram pattern.

23. **(Original)** The authentication device according to claim 17, wherein the image is a graphic pattern which does not exhibit hologram effect.

24. **(Currently Amended)** The authentication device according to claim 17, wherein ~~the~~ an outside device has an optical system means for diffracting light, said optical system means is a lens array comprising a plurality of lenses, and gaps are provided between the lenses.

25. **(Currently Amended)** An authentication method comprising the steps of:

displaying, from a display means, an image in which authentication information is incorporated,

diffracting light of the displayed image at a predetermined angle for each pixel by a first optical system means so that the display means and the first optical system means are arranged so

that in an image which is displayed by the display means, the image corresponding to the authentication information is diffracted and the image other than authentication information is emitted in a direction substantially perpendicular to a display screen of the display means,

collecting, by a second optical system means, light of the image diffracted by the first optical system means,

carrying out photoelectric conversion of ~~the~~ a collected image by a photoelectric converting means, and

carries out authentication by a control means using the converted image.

26. **(Canceled)**

27. **(Original)** The authentication method according to claim 25, wherein the image is displayed from the display means in response to an inquiry.

28. **(Original)** The authentication method according to claim 25, wherein the first optical system means and the second optical system means are lens arrays which utilize a one dimensional light distribution.

29. **(Original)** The authentication method according to claim 25, wherein the first optical system means and the second optical system means are lens arrays which utilize a two dimensional light distribution.

30. **(Original)** The authentication method according to claim 25, wherein the image is a hologram pattern.

31. **(Original)** The authentication method according to claim 25, wherein the image is a graphic pattern which does not exhibit a hologram effect.

32. **(Original)** The authentication method according to claim 25, wherein the first optical system means is a lens array comprising a plurality of lenses, and gaps are provided between the lenses.